

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1998 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7877360 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	306068 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol Medium Slightly gravelly Loamy Clayey Moderately deep		Principal Profile Form:	Dy2.33
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable group

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Themeda triandra, Unknown species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular, Sandstone

Profile Morphology

A1	0 - 0.1 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.1 - 0.2 m	Yellowish brown (10YR5/4-Moist); Mottles, 5YR4/6, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy loam; Massive grade of structure; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.5 m	Yellowish brown (10YR5/6-Moist); ; Sandy medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Gradual change to -
B22	0.5 - 0.65 m	Reddish brown (2.5YR4/4-Moist); ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	
Depth	COLE	Gravimetric/Volumetric Water Contents						K sat		K unsat	
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar			
m			g/g - m3/m3						mm/h	mm/h	

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Laboratory Analyses Completed for this profile